CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2008 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

Job No.: CTCE/BBMP/W.No.05/NS/CEMENT/2014-15 Date: 14.05.2014

TEST REPORT

CLIENT	:	**Asst. Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.
AGENCY	:	**Mr. N. Sathish,** Contractor, Bangalore.
NAME OF THE WORK	:	Providing shredder in Ward No.05, Byatarayanapura Sub Division, BBMP, Bangalore.
REFERENCE	:	EE/BTP/BBMP/E-PMT/485/2013-14 Dated: 21.02.2014
SAMPLE ID	:	CEMENT
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 1989-2013
1	Standard Consistency	IS-4031 (Part -4)	31.00 %	-
2	a) Initial Setting Time	IS-4031 (Part -5)	155 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	490 Minutes	Not More than 600 Minutes
3	Soundness by the Le-Chatelier method	IS-4031 (Part 3)	1 mm	Not more than 10 mm

Note:

⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒ Any Query regarding the report must be reported within 30 days from the date of testing.

VISHWANATH. I.A.
Chief Executive Officer

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Job No.: CTCE/BBMP/W.No.05/NS/SAND/2014-15 : 14.05.2014

TEST REPORT ON FINE AGGREGATES
IS 383-1970 (RA- 2002)

Client : **Asst. Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.

Agency : **Mr. N. Sathish,** Contractor, Bangalore.

Name of Work : Providing shredder in Ward No.05, Byatarayanapura Sub Division, BBMP, Bangalore.

Reference : EE/BTP/BBMP/E-PMT/485/2013-14 Dated: 21.02.2014

Date of Testing : 14.05.2014

Material : Sand Total Wt. of Aggregates in gms **2000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	59	2.95	2.95	97.1	90-100
2.36	250	12.50	15.45	84.6	75-100
1.18	390	19.50	34.95	65.1	55-90
600 Micron	480	24.00	58.95	41.1	35-59
300 Micron	432	21.60	80.55	19.5	8-30
150 Micron	295	14.75	95.30	4.7	0-10

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Job No.: CTCE/BBMP/W.No.05/NS/AGG/2014-15 : 14.05.2014

TEST REPORT ON COARSE AGGREGATES
IS 383-1970 (RA- 2002)

Client : **Asst. Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.

Agency : **Mr. N. Sathish,** Contractor, Bangalore.

Name of Work : Providing shredder in Ward No.05, Byatarayanapura Sub Division, BBMP, Bangalore.

Reference : EE/BTP/BBMP/E-PMT/485/2013-14 Dated: 21.02.2014

Date of Testing : 14.05.2014

Material : 40mm Aggregates

Total Wt. of Aggregates in gms **10000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
80	0	0	0	100	100
40	250	2.50	2.50	97.50	95-100
20	5945	59.45	61.95	38.05	30-70
10	2520	25.20	87.15	12.85	10-35
4.75	1050	10.50	97.65	2.35	0-5

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Name of Work : Providing shredder in Ward No.05, Byatarayanapura Sub Division, BBMP, Bangalore.

Reference : EE/BTP/BBMP/E-PMT/485/2013-14 Dated: 21.02.2014

Date of Testing : 14.05.2014

Material : 20mm Aggregates

Total Wt. of Aggregates in gms= **5000**

Tabel - 1

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
40	0	0	0	100	100
20	125	2.50	2.5	97.50	95-100
10	3295	65.90	68.4	31.60	25-55
4.75	1300	26.00	94.4	5.60	0-10

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